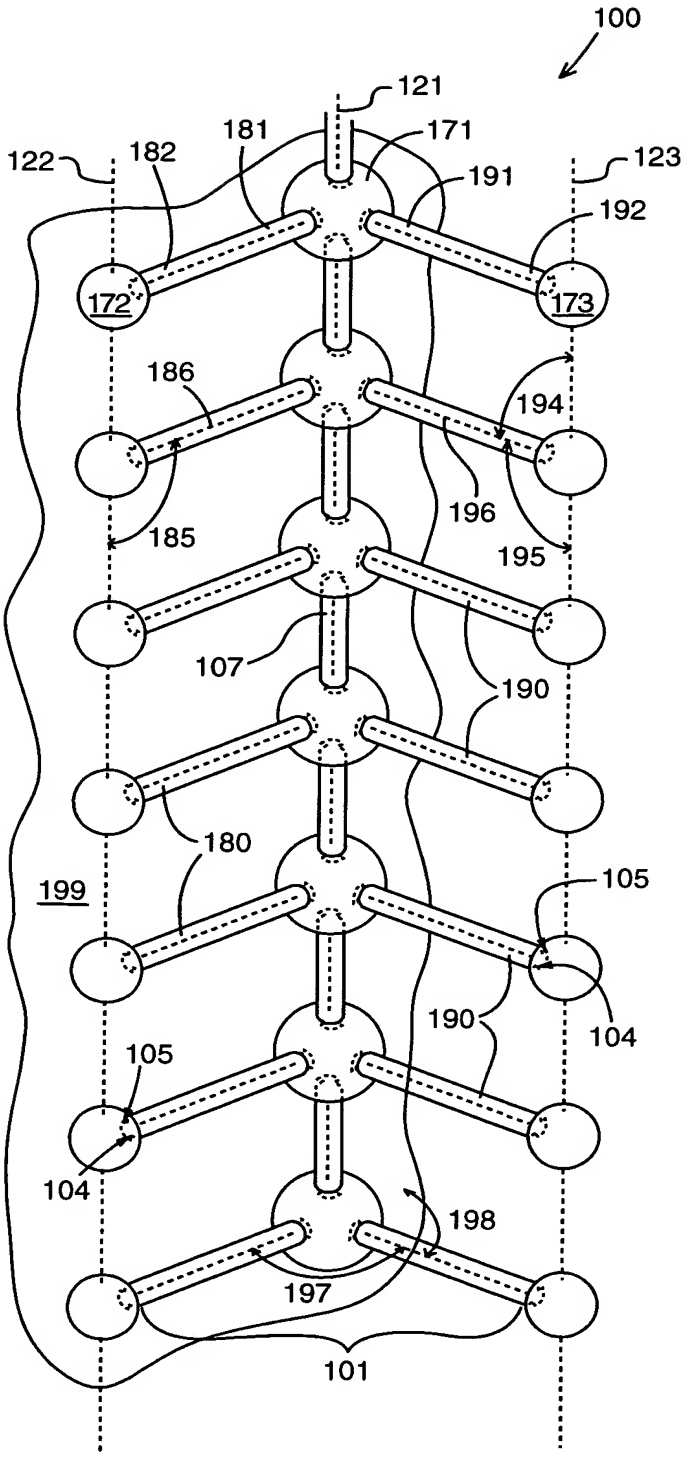
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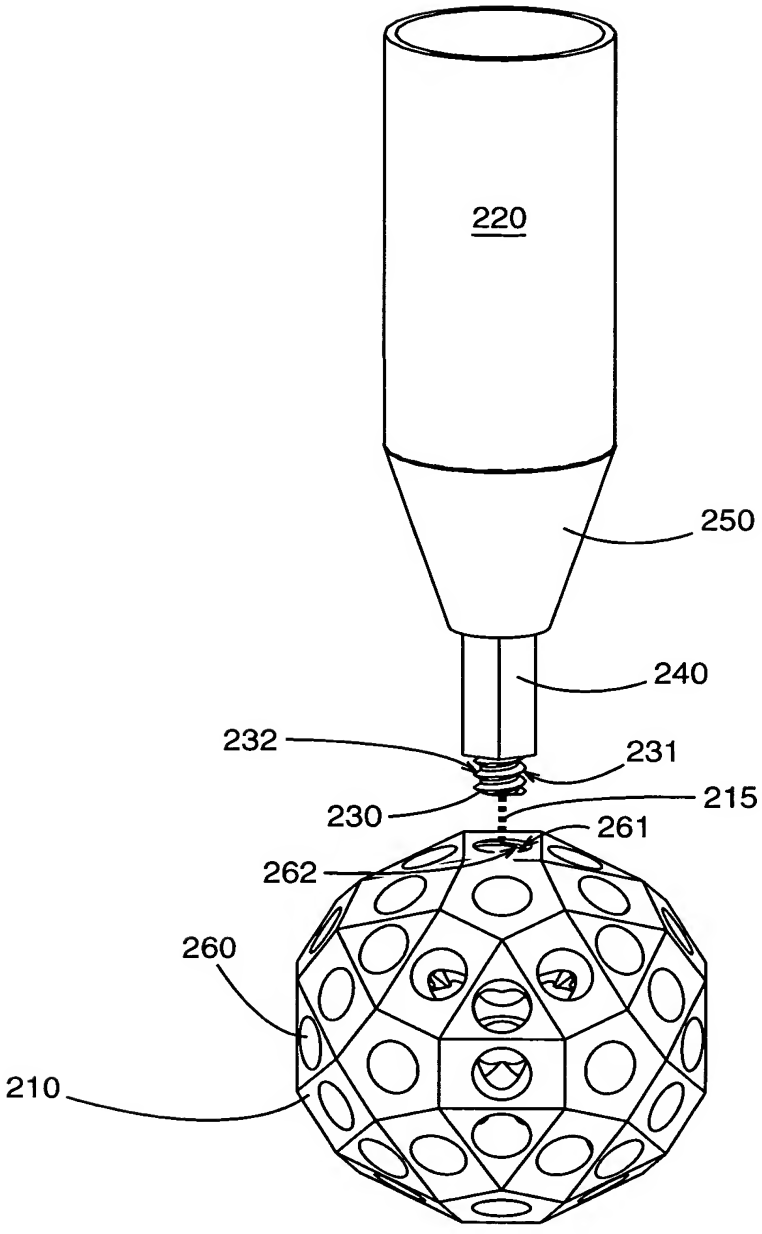
Fig. 1



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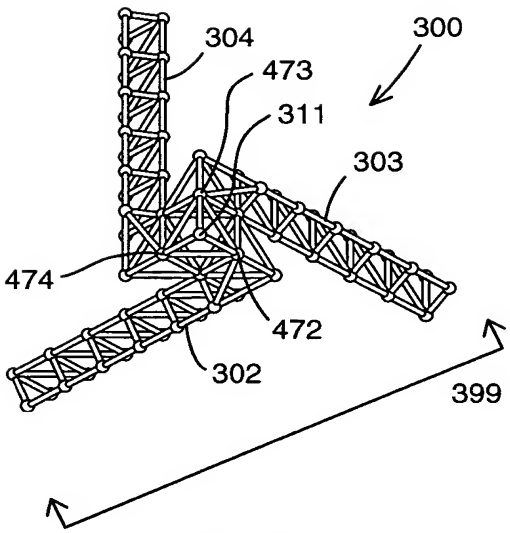

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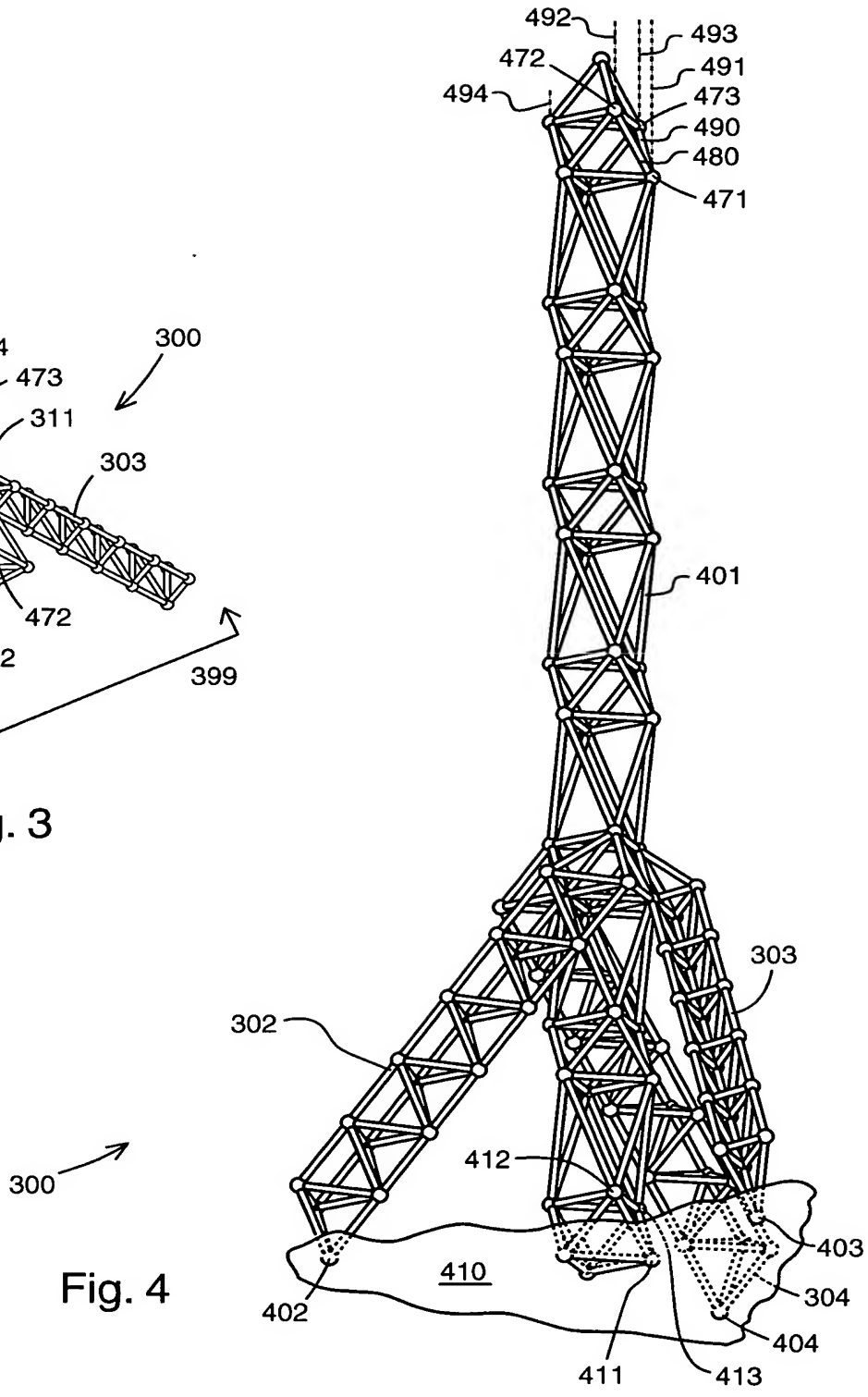

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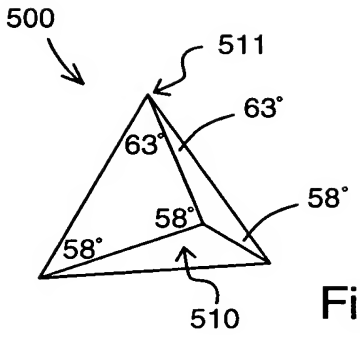

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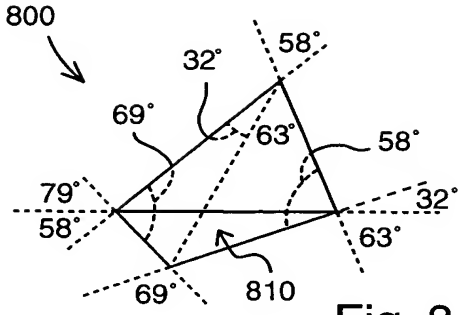

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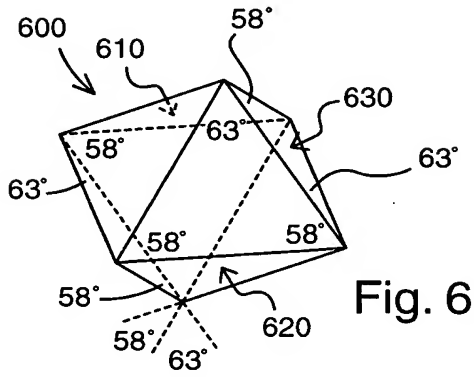

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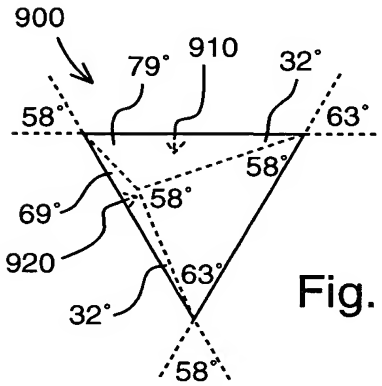

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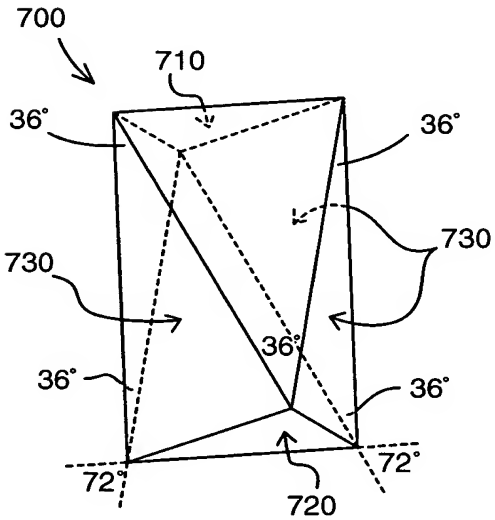

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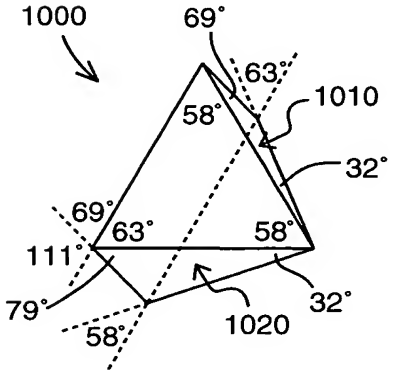
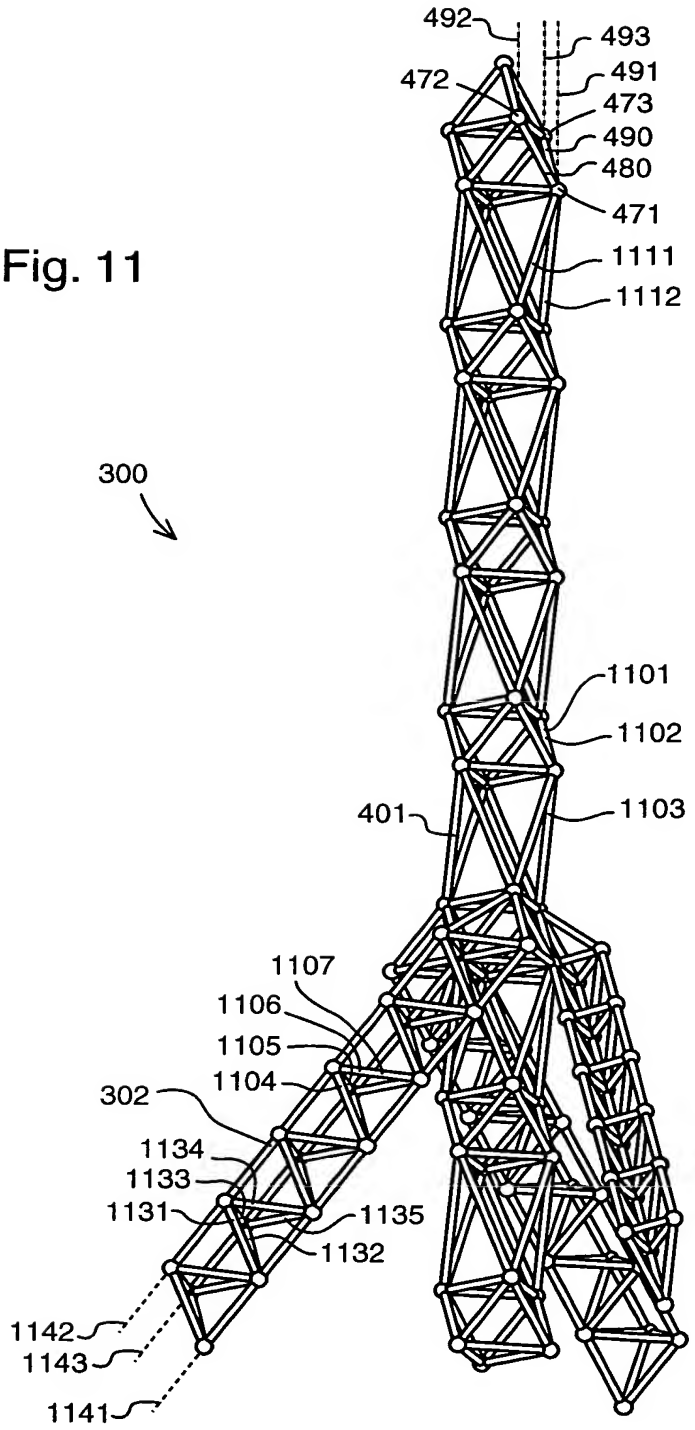


Fig. 10

Fig. 11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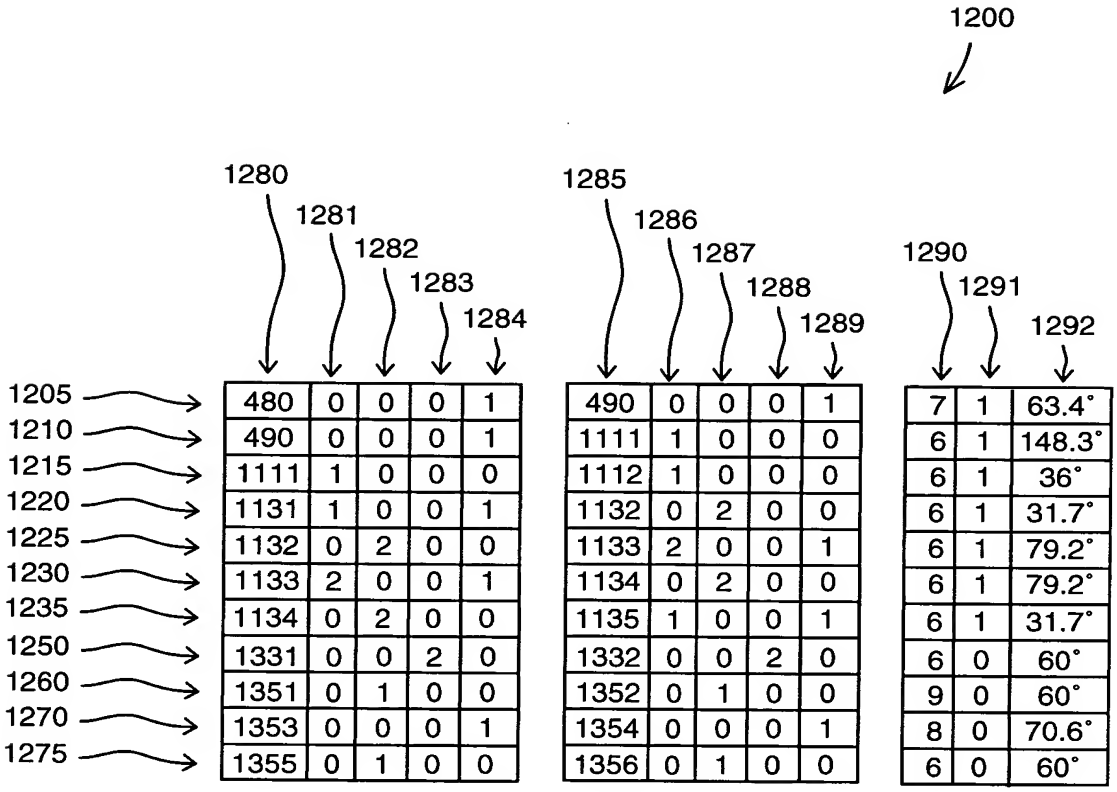
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1356 0 1 0 0
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6 1 148.3°
6 1 36°
6 1 31.7°
6 1 79.2°
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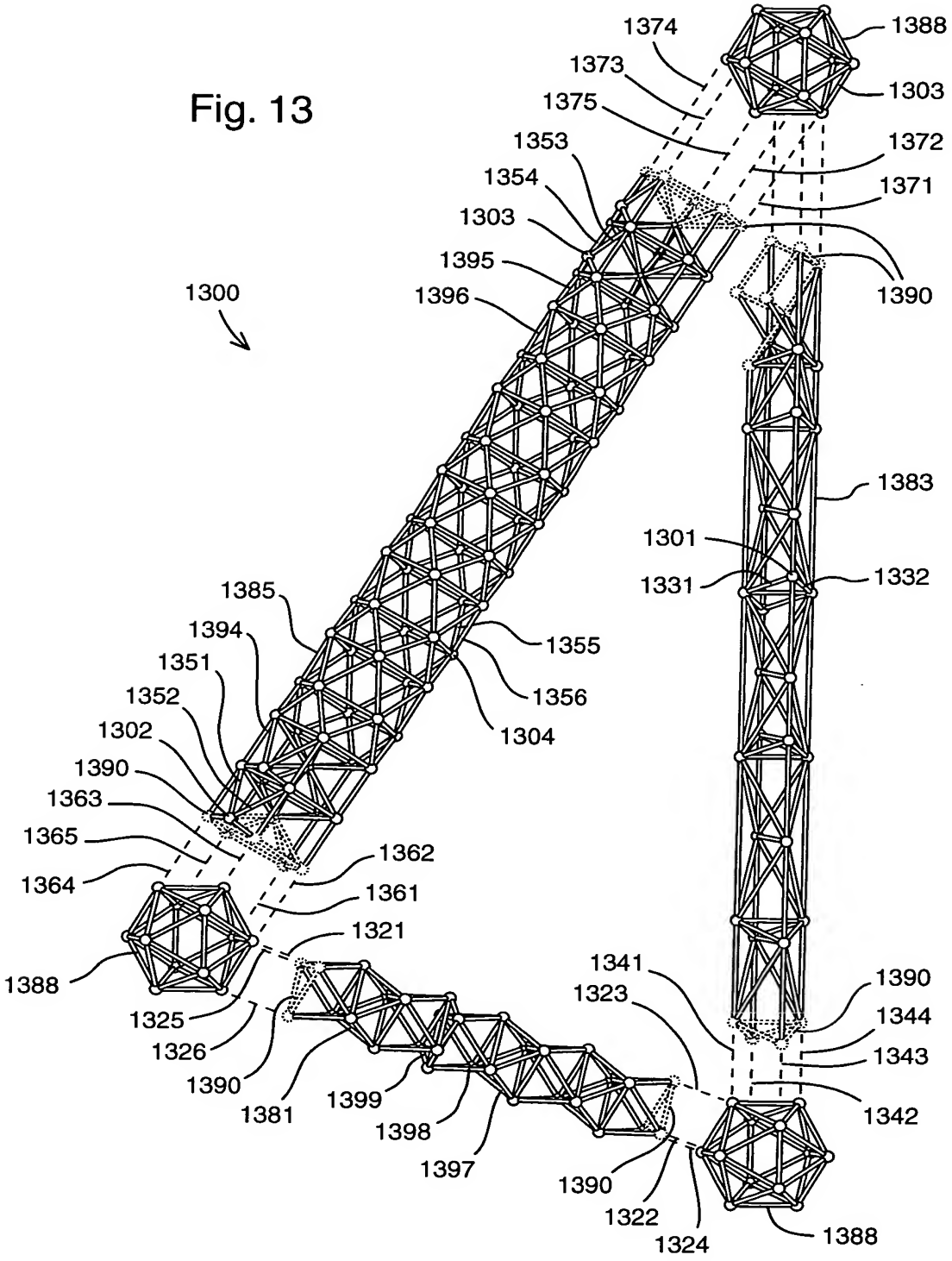
6 1 31.7°
6 0 60°
9 0 60°
8 0 70.6°
6 0 60°

Fig. 12

Fig. 13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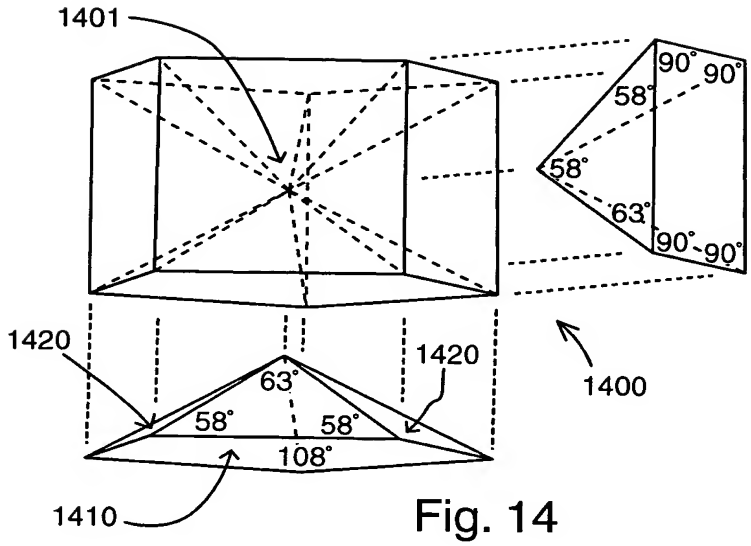

Fig. 14

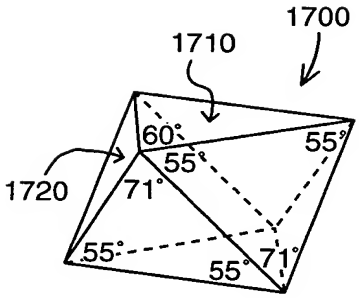

Fig. 17

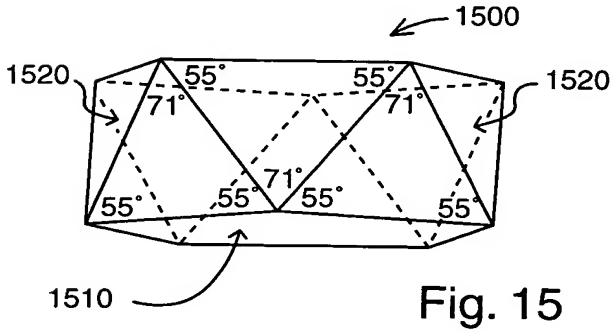

Fig. 15

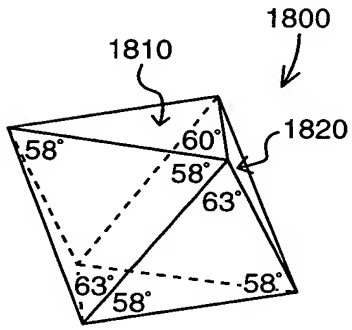

Fig. 18

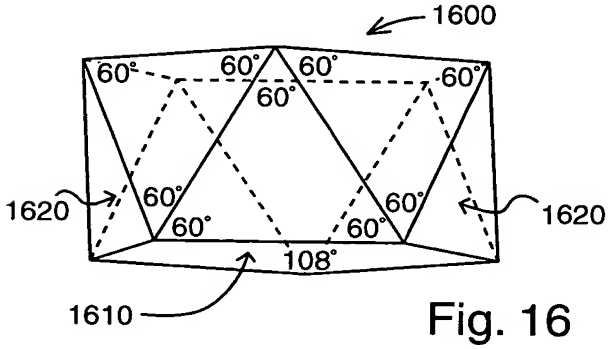

Fig. 16

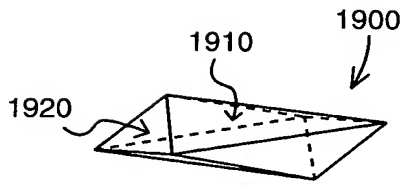

Fig. 19

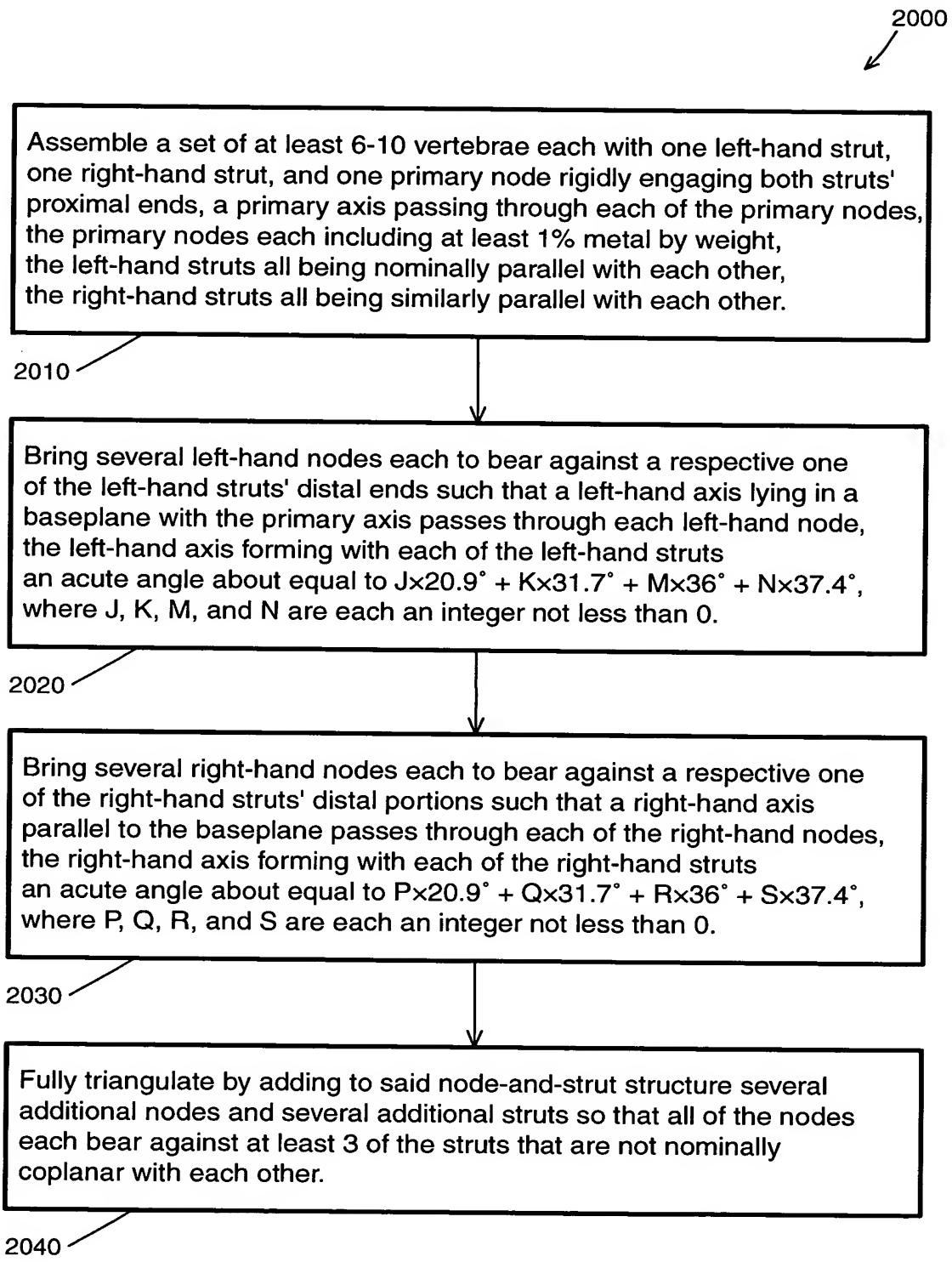
2000
Assemble a set of at least 6-10 vertebrae each with one left-hand strut, one right-hand strut, and one primary node rigidly engaging both struts' proximal ends, a primary axis passing through each of the primary nodes, the primary nodes each including at least 1% metal by weight, the left-hand struts all being nominally parallel with each other, the right-hand struts all being similarly parallel with each other.
2010
Bring several left-hand nodes each to bear against a respective one of the left-hand struts' distal ends such that a left-hand axis lying in a baseplane with the primary axis passes through each left-hand node, the left-hand axis forming with each of the left-hand struts an acute angle about equal to J×20.9° + K×31.7° + M×36° + N×37.4°, where J, K, M, and N are each an integer not less than 0.
2020
Bring several right-hand nodes each to bear against a respective one of the right-hand struts' distal portions such that a right-hand axis parallel to the baseplane passes through each of the right-hand nodes, the right-hand axis forming with each of the right-hand struts an acute angle about equal to P×20.9° + Q×31.7° + R×36° + S×37.4°, where P, Q, R, and S are each an integer not less than 0.
2030
Fully triangulate by adding to said node-and-strut structure several additional nodes and several additional struts so that all of the nodes each bear against at least 3 of the struts that are not nominally coplanar with each other.
2040

Fig. 20